

# HPLC Application

ID No.: 22167

## Prednisone Chromatogram\_LLOQ (10 ng/mL)

**Column:** Kinetex® 2.6 µm Biphenyl 100 Å, LC Column 50 x 3.0 mm, Ea

**Dimensions:** 50 x 3 mm ID

**Order No:** 00B-4622-Y0

**Elution Type:** Gradient

**Eluent A:** 10 mM ammonium acetate in water

**Eluent B:** 10 mM ammonium acetate in MeOH

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0.01       | 60    | 40    |
|                   | 2        | 0.5        | 60    | 40    |
|                   | 3        | 2          | 10    | 90    |
|                   | 4        | 3          | 10    | 90    |
|                   | 5        | 3.01       | 60    | 40    |
|                   | 6        | 5          | 60    | 40    |

**Flow Rate:** 0.4 mL/min

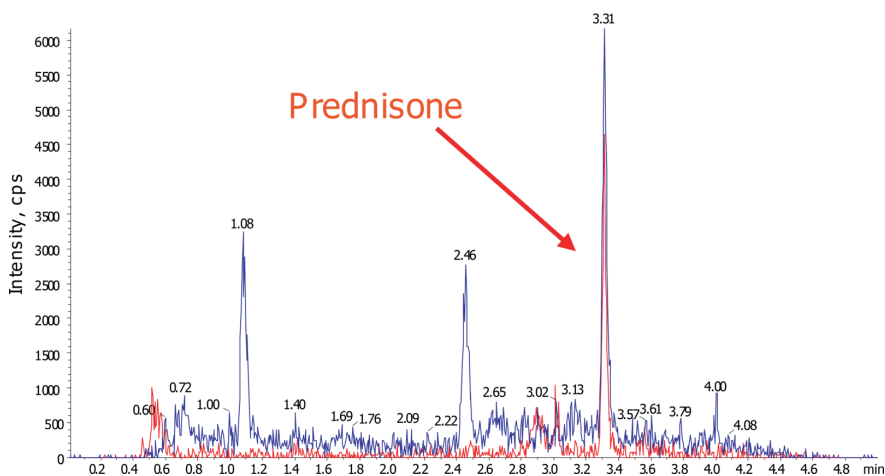
**Col. Temp.:** 40 °C

**Detection:** Tandem Mass Spec (MS-MS) @ (ambient)

22167



Products used in this application:



### ANALYTES:

- 1 Cortisone  
Retention Time: 3.36 min
- 2 Cortisol  
Retention Time: 3.23 min
- 3 Prednisone  
Retention Time: 3.31 min
- 4 Prednisolone  
Retention Time: 3.19 min

